

In the Claims:

Pending Claims 1- 20 are presented in clean form as follows:

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1. A broadcast system, said broadcast system comprising:
a server-end means for scheduling, gathering and transmitting an entire digital database content of at least one type of digital information service, said server-end means having means for encoding said full-digital data content for being broadcasted; and
5 a client-end means for decoding and receiving the broadcasted full-digital database content and providing the full informational content of said at least one type of digital information services.
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2. (Amended) A broadcast system as described in claim 1, wherein:
said server-end means further comprises communication means for facilitating transmission of said entire digital database content via IP-Multicast, RS422, RS232, and TCP/IP type of communications links for further broadcasting via conduits selected from a
5 group of conduits consisting of television VBI, radio subcarrier, Digital Satellite System (DSS), Digital Video Broadcasting (DVB), MPEG-2, paging networks, telephone networks, local area networks, and the Internet.
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3. A broadcast system as described in claim 1, wherein:
said means for encoding comprises a packet construction means for breaking up an original digital file into smaller digital file pieces and transmits said smaller digital file pieces as a stream of packets; and
5 wherein said client-end means comprises broadcast data receiving means for re-assembling said stream of packets into said original file.
4. A broadcast system as described in claim 1, wherein:
said server-end means further comprises means for retrieving and storing an entire digital informational content of a selected electronic network site.

5. A broadcast system as described in claim 1, wherein:

said server-end means further comprises a means for providing a program guide of services for use by a user, said program guide facilitating means for selecting which services to receive, means for viewing the schedule of incoming services, and means for reviewing a catalog of what services have been received, said program guide means further providing a rotating information banner.

6. (Amended) A contents-based digital data broadcast system, said system comprising:

AZ a first server-end application program means for retrieving a first type of digital information, and storing an entire contents of said digital information locally;

5 a first server-end application module means for encoding, transmitting scheduled services including said entire contents of said digital information, said first application module comprising means for supporting IP-Multicast, RS422, RS232, and TCP/IP communications and means for broadcasting said encoded entire contents of said digital information via conduits consisting of television, VBI, radio subcarrier, Digital Satellite System (DSS), Digital Video Broadcasting (DVB), MPEG-2, paging networks, telephone networks, local area networks, and the Internet;

10 a second server-end application module means for scheduling tasks for external modules; facilitating centralized organization of tasks and services provided to a client;

a second server-end application program means for issuing and responding to remote commands and reporting on a status of a task to remote modules;

15 a first client-end application program means for decoding and receiving the full content of said broadcasted encoded digital information; and

20 a second client end application program guide means for facilitating selection of which service to receive, viewing a schedule of incoming services, and review of a catalog of what services have been received, said program guide means further providing a rotating information banner.

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7. A method for providing digital information with existing audio/video broadcasts, said method comprising:

selecting at least one end-user selected computer file,
breaking down the computer file into at least one packet of digital information;
broadcasting the packet;
receiving the packet at an end-user; and
reassembling the packet into the computer files.

8. A method for wirelessly transmitting digital information, as described in claim 7, wherein said breaking down the computer file into at least one packet of digital information comprises:

5 (a) allocating memory in a data storage unit member;
(b) reading data contents of the computer file into the memory;
(c) compressing the read file data;
(d) encrypting the compressed data;
(e) framing the encrypted data ; and
(f) adding a trailer to the framed data to signal an end of packet (EOP) indication.

9. A method for wirelessly transmitting digital information, as described in claim 8, wherein breaking down the computer file into at least one packet further comprises the steps of:

5 (g) wrapping said packet with a wrapping selected from a group consisting of: a Wrap to NABTS (creates the forward error correction (FEC) bundles, fec rows and header), a Wrap to Null (no wrapper), and a Wrap to JPT (JetStream Packet Transport which are portions of a complete jetstream packet, and adds headers);

(h) destroying the packet after being wirelessly transmitted, thereby freeing-up memory in the storage unit member.

~~A3~~ 10. (New) The method of Claim 7 further comprising scheduling the service, wherein the service is scheduled by the end-user.

11. (New) The method of Claim 7 wherein broadcasting the packet comprises broadcasting the packets over a broadband broadcast medium.

Sub B2 12. (New) The method of Claim 7 wherein broadcasting the packet comprises broadcasting the packets over at least one of a group consisting of television, VBI, radio subcarrier, Digital Satellite System (DSS), Digital Video Broadcasting (DVB), MPEG-2, paging networks, telephone networks, local area networks, and the Internet.

13. (New) The method of Claim 7 wherein said selecting computer file comprises selecting a digital information service, wherein the service comprises a logical grouping of files.

14. (New) The method of Claim 7 wherein said selecting the computer file comprises selecting at least one of a set consisting of a standard file (unrelated grouping of files), files that make up a World Wide Web (WWW) site, program guide services, and rotational file services (unspecific related groupings of files)

15. (New) The method of Claim 7 further comprising displaying a program guide to the end-user.

16. (New) The method of Claim 15 wherein displaying a program guide comprises displaying a program guide including services available.

17. (New) The method of Claim 15 wherein displaying a program guide comprises displaying a program guide including broadcast schedules.

18. (New) The method of Claim 7 further comprising providing a Graphic User Interface (GUI).

19. (New) The method of Claim 18 wherein providing a GUI further comprising providing a GUI adapted to manage service subscription.

20. (New) The method of Claim 7 wherein breaking down the computer file into at least one packet comprises breaking down the computer file into at least one packet comprising 127 bytes.